

10 December 1958

Mr. Walter H. Bailey  
Geography Branch  
Office of Naval Research  
Department of the Navy  
Washington 25, D. C.

REFERENCE: ONR:414:WNB:gv, 17 November 1958

Dear Mr. Bailey:

The proposal for research on "The Interpretation of Continental Glacial Deposits from Color Air Photos" submitted by Dr. Winkler has been examined by a number of my associates and myself. If suitable aerial photography can be obtained for the study it would appear that this is a worthwhile proposal in view of the work that has been done with color photography in related fields. The proposed area to be covered by the study appears to be well documented with studies of surface deposits, well logs, construction materials, etc. While black and white photography has been used fairly extensively in the study of glacial deposits the use of color and camouflage detection films apparently has not been examined along the lines proposed by Dr. Winkler. The practical results of such a study are certainly of merit in its domestic application.

A number of questions are raised with respect to the proposal:

- a. Is Dr. Winkler qualified in any particular field of photographic interpretation?
- b. Since the success of this program would be dependent largely upon accurate recognition of vegetative cover both in the field and from photographs, is Dr. Winkler qualified in this respect?
- c. What type of aerial cameras and photo interpretation equipment does he propose to use, and is he skilled in the use of such equipment?

It appears that Dr. Winkler will not be using conventional aerial cameras obtaining overlapping aerial photographs. I would propose that such photography is required for this study and if it cannot be obtained by Dr. Winkler perhaps it could be obtained through the efforts of a Navy Reserve Unit or Navy Detachment. I don't believe photographs obtained by hand held cameras taken from small commercial

aircraft will yield results which would justify the project. If the questions listed above are answered to the satisfaction of the Navy and conventional overlapping aerial photography is obtained for the project I would recommend acceptance of the Proposal for Research submitted by Dr. Winkler.

For Mr. Arthur C. Landahl -

Sincerely,



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